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FILONOV, S. P. (Engineer); Titarenko, V. S. (Engineer); Zheglov, Yu. A. (Engineer);
Voronov, I. P. (Candidate of technical sciences) "Results of Testing of 3700 Turbine Units with Free Piston Gas Generator"

Energo-Mashinostroyeniye, No. 7, 1966, pp. 35-36.

Abstract: Results are presented from a testing of a gas turbine installation with a free piston gas generator produced by the Lugansk Locomotive Plant, designed for driving a centrifugal pump in an oil pipeline pumping station. The installation, the GTU 3700, demonstrated considerably higher efficiency and equivalent economic, starting and control characteristics when compared with open cycle turbine units now being produced. The gas temperature before the turbine did not exceed 490 degrees C. Economic calculations indicated that the unit would be efficiently usable in mainline oil pipeline installations.
Org. art. has: 1 figure. [JPRS: 37,564]

ORG: none

TOPIC TAGS: gas turbine, pipeline

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 002

UDC: 621.438.001.42

0925 0590

Card 1/1

TITARENKO, Yevgeniy

Flying is life. Grazhd. av 18 no.6:10-11 Je '61. (MIRA 14:7)
(Air pilots)

TITARENKO, Ye.

This is how our staff was created. Grazhd.av. 17 no.6:
9-10 Je '60. (MIRA 13:7)
(Airplanes--Maintenance and repair)

TITARENKO, Ya.Ye.; KUZNETSOVA, M.N.

Influence of microelements on the productivity of ornamental floral plants. Nauch. dokl. vys. shkoly; biol. nauki no.2:169-173 '61.
(MIRA 14:5)

1. Rekomendovana Botanicheskim sadom Odesskogo gosudarstvennogo universiteta im. I.I.Mechnikova.
(FLOWERS) (TRACE ELEMENTS))

TITARENKO, Ye. Ye.

Viticulture

Nursery planting of grape grafts at an incline Vin. CSSR 12 No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1958. Unclassified.

USSR/Physiology of Plants - Mineral Nutrition.

I.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67802

Author : Titarenko, Ye.Ye.

Inst : Odessa University.

Title : The Influence of External Conditions on Carbonic Acid Absorption Through the Roots.

Orig Pub : Nauchn. yezhegodnik Odessk. un-t, 1956, Odessa, 1957, 201-202.

Abstract : When corn is grown in a water culture, more C¹⁴O₂ comes in through the roots and enters the above-ground organs as the illumination is intensified and pH (5.9) declines. The C¹⁴ is found primarily in the alcohol fraction which contains soluble sugar, and in the water fraction.

Card 1/1

TITARENKO, Ye. Ye.

"The Adhesion by Growth and Rooting of Grapevine Grafts on Stratified Root Stock."
Cand Biol Sci, Odessa State U, Odessa, 1953. (RZhBiol, No 1, Sep 54)
SO: Sum 432, 29 Mar 55

TITAREV, V.

Good management university. Sov.shakht. 11 no.2:11-12 F '62.

1. Predsedatel' shakhtnogo komiteta shakhty No.17-bis tresta
Chistyakovrantsit.

(MIRA 15:1)

(Work councils)
(Coal mines and mining)

FETISOV, N., prof.; TITAREV, V., dotsent

Fourth Republic Conference of the Stomatologists of the
Moldavian S.S.R. Stomatologija 43 no.1119 Ja-P'64

(MIRA 1784)

TITAREV, V.

Initiative and independence. Mast.ugl. 9 no.3:17 Mr '60.
(MIRA 13:6)

1. Predsedatel' shakhtnogo komiteta shakhty No.17-bis tresca
Chistyakov antratsit.
(Donets Basin--Coal miners)

TITAREV, V.I.

Deferred plastic surgery of the skin following total scalping of
the penis and scrotum. Zdravookhranenie 2 no.4:57 Jl-Ag '59.
(MIRA 14:6)
1. Iz kafedry gospital'noy khirurgii (zav. - prof. P.V.Ryzhov)
Kishinevskogo mediteinskogo instituta.
(GENERATIVE ORGANS, MALE—WOUNDS AND INJURIES)

TITAREV, V. I., Candidate Med Sci (diss) -- "Surgical treatment of congenital clefts of the lip and palate". Kishinev, 1959. 15 pp (Min Health Moldavian SSR; Kishinev State Med Inst), 250 copies (KL, No 24, 1959, 152)

TITAREV, V.I., dotsent

Subcutaneous facial emphysema as a complication occurring in
the practice of dentists and stomatologists. Stomatologija, 42
no.3:97-98 My-Je'63 (MIRA 17:1)

1. Iz kafedry gospital'noy khrurgii (zav. - prof. P.V. Ryzhov)
Kishinevskogo meditsinskogo instituta.

TITAREV, V.I., dots.; BORODA, M., red.; BELOUSOVA, L., tekhn. red.

[Treatment of children with a congenital deformity of the lip and palate; speech training at home following an operation on the palate] Lechenie detei s vrozhdennym urodstvom guby i r^ba; obuchenie rechi v domashnei obstanovke posle operatsii na ri^be. Kishinev, Kartia moldoveniaske, 1962. 26 p. (MIRA 15:9) (PALATE, CLEFT) (HARELIP) (SPEECH THERAPY)

TITAREV, V.I.

Case of total avulsion of the scalp. Zdravookhranenie 2 no.1:
56 Ja-F '59.
(MIRA 12:7)

1. Iz kafedry gospital'noy khirurgii (zav. - prof. P.V. Ryzhov)
Kishinevskogo meditsinskogo instituta.
(SCALP--WOUNDS AND INJURIES)

PAKHOMOVA, G.N., kand. tekhn. nauk; GUZAIROV, G.S.; OVECHNIKOVA, K.I.;
TITAREV, V.Ya.; ALENTOVA, L.N.

Verification of the intensified rate of zinc electrolysis with
a current density of up to 800a/m^2 in industrial baths. Sbor.
nauch. trud. Gintsvetmeta no.23:283-292 '65. (MIRA 18:12)

16,3500

AUTHOR: Titareva, N.K.

S/044/61/000/004/014/033
C111/C222

TITLE: On the solvability and stability of the generalized mixed problem for the Laplace equation

PERIODICAL: Referativnyy zhurnal. Matematika, no. 4, 1961, 46, abstract 4 B 234. ("Uch.zap. Khar'kovsk. ped. in-t. fiz. vospitaniya", 1960, 34, 31-35)

TEXT: The author seeks a function being harmonic and bounded in a region D with the boundary C and satisfying on C the boundary condition

$$[au + b \frac{\partial u}{\partial n}]_{n=C} = f(s) , \quad (1)$$

where a, b - constants, $\frac{\partial u}{\partial n}$ - derivative in the direction of the inner normal of C, s is the arc coordinate with respect to the positive direction. The author investigates the existence and stability of the generalized solution of the formulated problem for the variation of the boundary of D in the case where D is a plane star-shaped region, C is a rectifiable Jordan curve, and the mixed boundary conditions are given in Card 1/4

On the solvability and stability ...

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the class of summable functions.

The following theorems are valid :

Theorem 1: For every summable function $f(s)$ given on the boundary C of the star-shaped region D, there exists a harmonic function $u[r(s), \theta(s)]$ which is represented by the series

$$u(r, \theta) = \frac{\alpha_0 \ln \frac{r}{R_1}}{2 \left(a \ln \frac{R_2}{R_1} - \frac{b}{R_2} \right)} -$$

$$- \sum_{k=1}^{\infty} \frac{(\alpha_k \cos k\theta + \beta_k \sin k\theta) R_1^{-2k} r^k}{R_2^k R_1^{-2k} (bkR_2^{-1} - a) + R_2^{-k} (bkR_2^{-1} + a)} +$$

$$+ \sum_{k=1}^{\infty} \frac{(\alpha_k \cos k\theta + \beta_k \sin k\theta) r^{-k}}{R_2^k R_1^{-2k} (bkR_2^{-1} - a) + R_2^{-k} (bkR_2^{-1} + a)}.$$

is continuous in D, and almost everywhere on C it satisfies the condition (1).

An analogous theorem is proved for a doubly connected region. Let D be a

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On the solvability and stability ...

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star-shaped region bounded by the closed Jordan curve C. If c_1, \dots, c_n ,
 c_1, \dots, c_n - - are sequences converging to C so that the sequences of the
regions d_1, \dots, d_n ; D_1, \dots, D_n bounded by these curves, converge to D.
[Abstracter's note : The above sentence is translated word for word.
There probable is a mistake owing to inadvertence.]

Let u_n (resp. U_n) be a harmonic function being continuous in d_n (resp. D_n)
and on the boundary c_n (resp. C_n) it satisfies the boundary condition (1)

Then it holds :

Theorem : If $f \in L$ then for every $\epsilon > 0$ there exists a positive
 $\delta = \delta(\epsilon)$ so that from the condition $\gamma < \delta$, where γ is the least
upper bound of the distances between the points $P \in G$ and $P_n \in C_n$,
it follows that 1) in the simply connected star-shaped region D it holds
 $|u(r, \theta) - u_n(r, \theta)| < \epsilon$ 2) almost everywhere on the boundary C of D it

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On the solvability and stability ...

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holds : $D \left[au_n + b \frac{\partial u_n}{\partial n} \right] = f(s)$.

[Abstracter's note : Complete translation.]

Card 4/4

AROYAN, A.A.; TITAYAN, S.G.

Synthesis and chloromethylation of certain ethers of phenol and
orthocresol. Izv. AN Arm. SSR Ser. khim. nauk 10 no.4:283-289 '57.

1. Yerevanskiy gosudarstvennyy universitet im. V.M. Molotva, Kafedra
organicheskoy khimii.

(Ethers) (Methylation)

TITAYEV, A.A.; LARSKIY, E.G.

Staining of glucoproteins in electrophoregrams. Lab. delo 5 no.3:
25-31 My-Je '59.
(MIRA 12:6)

1. Iz biokhimicheskoy laboratorii Instituta pediatrii AMN SSSR, Moskva
(GLYCOPROTEINS) (ELECTROPHORESIS)
(STAINS AND STAINING (MICROSCOPY))

TITAREV, V.I., assistant

Treating congenital herelip and cleft palate. Stomatologiya 37 no.
6:36-39 N-D '58
(MIRA 11:12)

1. Iz kliniki gospital'noy khirurgii (zav. P.V. Rynkov) Kishinevskogo
meditsinskogo instituta (dir. N.T. Starostenko).
(PALATE, CLEFT)
(HARELIP)

TITAEV, A. A.

Ostrovskaya, I. M. and Titarev, A. A. "Variation in the quantitative constituents of women's milk, times and aspects of a nutritional food," Izdat. SI Vsesoz. Akad. Med. Nauk, posvyashch. pamyati prof. Filatova, Moscow, 1947, p. 363-70

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

TITAYEV, A. A.

Titayev, A. A. "Fermentative acidification of vitamin B₁ in an organism, its biological value and growth features," In index: A. A. Titayeva. Trudy VI Vsesoyuz. s"ezda det. vrachey, posvyashch. pamyati prof. Filatova, Moscow, 1948, p. 431-33

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

TITAYEV, A. A.

PA LP/49T18

USSR/Chemistry - Oxidation, Reduction May/Jun 48
Systems
Chemistry - Vitamin B₁, In Oxidation-
Reduction Systems

"The Role of Vitamin B₁ in Oxidation-Reduction
Systems," A. A. Titayev, Pediatrics Inst., Acad Med
Sci USSR, 9 3/4 pp

"Biolchimia" Vol XIII, No 3

Treats subject under following headings: (1) vitamin
B₁, oxidation retarder; (2) oxidation-fermentation
reactions: (a) action of thiamin on peroxidase and
phenolase; (b) action of thiamin on ascorbinase;

12/49T18

USSR/Chemistry - Oxidation, Reduction May/Jun 48
Systems (Contd.)

(c) action of thiamin on saccharase; (d) action of
thiamin on catalase; (5) adrenaline-thiamin oxidation-
reduction reactions: (a) method, *in vivo* and *in*
vitro; (b) kinetics and mechanism of the reaction;
(c) oxidation of thiamin by extracts from organs;
(d) retardation of the thiamin adrenaline reaction;
(e) oxidation of thiamin *in vivo*. Concludes that
thiamin has antitoxic properties. Submitted

13 May 47.

12/49T18

TITAYEV, A.A.

Thiaminidehydrase, its properties, distribution and function. Biokhimiia, Moskva 15 no.3:236-242 May-June 1950. (CLML 20:?)

1. Institute of Pediatrics, Academy of Medical Sciences USSR, Moscow.

TITAYEV, A. A.

USSR/Medicine - Infectious Diseases May/Jun 52

"Pathogenesis of Toxic Dysentery," A. A. Titayev,
Inst. of Pediatrics, Acad Med Sci USSR

"Pediatriya" No 3, pp 18-20

PA 228T28
States that the course of the infectious process consists of 2 periods which are revealed during the initial stages of acute dysentery. During the 1st period the sympathetic branch of the central nervous system is stimulated; blood pressure becomes high. According to article, this is a protective reaction of the organism. As dysentery becomes

intensive, affecting important parts of the central nervous system, blood pressure drops. This results in a hemodynamic shock, article states. The more popular antibiotics can be used together with the physiol approach to treatment. However, the article states, since antibiotics act as depressants to the sympathetic branch of the nervous system, it is necessary to come to the aid of the central nervous system by simultaneous introduction of substances which support or produce sympathetic stimulation. Director of Inst of Pediatrics, Acad Med Sci USSR: Prof M. N. Kazzantseva. //

228T28

TUPLYA V, A. A.

Treatment of patients suffering from hypertonic illness by means of antisympatin.

Soviet Medicine, No. 3, pp19, 1953.

TITAYEV, A. A., Dr.

Hypertension

Antisympathin therapy of hypertension. Sov. med. 17, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

TITAEV, A.A.

U S S R .

The thiamine dehydrogenase content of the nervous system. A. A. Titayev (Inst. Pediat., Acad. Med. Sci., Moscow). *Biokhimiya* 19, 645-8 (1954).—In the nervous system of invertebrates, thiamine dehydrogenase (TD) is more active than in the brain of vertebrates. TD is evenly distributed over all parts of the brain of the fish. In the brains of mammals, including man, TD is found mostly in the posterior part of the hypothalamus; in vertebrates the highest concn. is found in the hypophysis. There is a gradual diminution of TD concn. in the brain of vertebrates from fishes to mammals, especially in the anterior part of the brain. It is completely absent in the cortex of the brain hemispheres at the higher stages of evolutionary development of vertebrates. In the embryo TD is found in approx. the same concn. in the hemispheres as in other parts of the brain. One of the reasons for the high activity of TD in the nervous system of invertebrates (and plants) is the presence of polyphenol oxidase, which hastens the TD reaction as a result of adrenaline oxidation. It is suggested that a close connection exists between the function of the TD system and the vegetative part of the nervous system. B. S. L.

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2

TITAYEV A A

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2"

TITAYEV, A.A.

Kristence of thiamine dehydrogenase. Biul.eksp.biol. i med. 42 no.11:
77-78 N 156.
(MLRA 10;1)

1. Iz Instituta pediatrii AMN SSSR, Moskva.
(DEHYDROGENASES,
thiamine dehydrogenase (Rus))

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2

TITAYEV, A.A.

Role of biochemistry in the study of some pediatric diseases.
Pediatria no.8:3-11 Ag '57. (MIRA 10:12)
(BIOCHEMISTRY) (PEDIATRICS)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2"

TITAYEV, A.A.

Some data on the physiological role of vitamin B₁. Vitaminy
no.4:134-139 '59. (MIRA 12:9)

1. Institut pediatrii Akademii meditsinskikh nauk SSSR, Moskva.
(THIAMINE) (NERVOUS SYSTEM)

TITAYEV, Aleksey Asinkritovich; DEBOV, S.S., red.; POLEZHAYEV, Ye.F.,
red.; BALDINA, N.F., tekhn.red.

[Antisympathin] Antisimpatin. Moskva, Gos.izd-vo med.lit-ry,
1960. 151 p. (MIRA 13:6)
(ANTISYMPATHIN)

TITAYEV, A.A.; LARSKIY, E.G. (Moskva)

Studies on some components of connective tissue reactions. Pat.
fiziol. i eksp. terap. 6 no. 6:79-80 N-D'62 (MIRA 17:3)

l.Iz Instituta pediatrii AMN SSSR.

TITAYEV, A.A.; LARSKIY, E.G.; BORISOVA, T.P.; NADEZHDINA, Ye.A.

Different methods of determination of sialic acids entering into
the composition of serum glycoproteins. Lab. delo 10 no.4:201-
205 '64.
(MIRA 17:5)

1. Institut pediatrii AMN SSSR, Moskva.

PEROVA, S.D.; TITAYEV, A.A.

Interrelations between ascorbic acid, proline and oxy-proline in the metabolic processes of the connective tissue in children. Nauch, inform. Otd. nauch.med. inform AMN SSSR no.1:46-47 '61
(MIRA 16:11)

1. Institut pediatrii (direktor - dotsent M.Ya. Studenikin)
AMN SSSR, Moskva.

*

TITAYEV, A.A.

Criteria for determining human requirements of vitamin D and
its levels. Vop. pit. 20 no. 3:69-75 My-Je '61. (MIRA 14:6)

1. Iz Instituta pediatrii AMN SSSR, Moskva.
(VITAMINS—D)

TITAYEV, A.A., doktor med.nauk,

Study of the role of some biochemical disorders in the pathogenesis
of rheumatic fever. Vest.AMN SSSR 15 no.3:52-57 '60. (MIRA 14:5)

1. Institut pediatrii AMN SSSR.
(RHEUMATIC FEVER)

TITAYEV, A.A.

Concerning S.E.Shnol's article "On the Existence of thiamine
dehydrogenase." Biul. eksp. biol. i med. 50 no.7:68-69 Jl '60.
I. Iz Instituta pediatrii AMN SSSR. (MIRA 14:5)
1. Iz Instituta pediatrii AMN SSSR.
(DEHYDROGENASE)
(SHNOL, S.E.)

TITAYEV, A. A. (USSR)

"Certain Disturbances in Protein and Amino Acid Metabolism in Rheumatism in Children."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

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APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2"

TITAREV, V.I., assistant

Use of Rud'ko's apparatus with three clamps in an angular maxillary fracture. Stomatologija 35 no.3:29-30 My-Je '56. (MLRA 9:9)

1. Iz kafedry gospital'noy khirurgii (sav. - prof. P.V.Ruzhov)
Kishinevskogo meditsinskogo instituta.
(SURGICAL INSTRUMENTS AND APPARATUS)
(JAWS--FRACTURE)

TITAREV, V.I.

Use of V.P. Filatov's circular flap in facial defects. Zdravookh-
ranenie 3 no.3:55-57 My-Je '60. (MIRA 13:7)

1. Iz kafedry Kishinevskogo meditsinskogo instituta.
(FACE--SURGERY)

TITAYEV, S. F.

TITAYEV, S. F.- "Computation of Three-dimensional Ship Constrictions Using the V. Z. Vlasov Method." Min of Higher Education USSR, Gor'kiy Polytechnic Inst imeni A. A. Zhdanov, Gor'kiy, 1955 (Dissertations for Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 2', June 1955, Moscow

TOLMASSKAYA, E.S.; TITAYEVA, M.A.

Mechanism of the action of aminazine. Trudy Gcs. nauch.-issl.
psikhonevr. inst. no.20:269-275 '59. (MIRA 14:1)

1. Institut psichiatrii Ministerstva zdravookhrananiya RSFSR
(dir. - prof. V.M. Banshchikov), Moskva.
(CHLORPROMAZINE) (ELECTROPHYSIOLOGY)

VERTOGRADOVA, O.P.; GOFMAN, D.Ya.; KURAPOVA, G.M.; TITAYEVA, M.A.

Treatment of schizophrenia patients by means of stelazine;
a clinico-electroencephalographic study. Trudy Gos.nauch.-
issl.inst.psikh. 35:175-198 '62. (MIRA 16:2)

1. Otdeleniye psikhozov pozdnego vozrasta (zav. otdelniyem -
prof. S.G. Zhislin), otdeleniye eksperimental'noy terapii
shizofrenii i drugikh psikhozov (zav. otdelniyem - prof.
I.G. Ravkin) otdeleniye shizofrenii (zav. otdelniyem prof.
L.L. Rokhlin) i otdeleniye elektrofiziologii (zav. otdelniyem -
prof. E.S. Tolmasskaya) Gosudarstvennogo nauchno-issledovatel's-
kogo instituta psichiatrii.

(SCHIZOPHRENIA) (STELAZINE) (ELECTROENCEPHALOGRAPHY)

BARANOV, V.I.; TITAYEVA, N.A.

Uranium, thorium, radium, and ionium concentrations in Quaternary
deposits of the Lena Valley. Geokhimiia no.2:110-114 '61.
(MIRA 14:3)
1. Katedra geokhimii Geologicheskogo fakul'teta Moskovskogo
Gosudarstvennogo universiteta im. M.V. Lomonosova.
(Lena Valley--Radioactive substances)

S/007/61/000/002/001/004
B107/B217

AUTHORS: Baranov, V. I., Titayeva, N. A.

TITLE: Content of uranium, thorium, radium, and ionium in the Quaternary deposits of the valley of the Lena river

PERIODICAL: Geokhimiya, no. 2, 1961, 110-114

TEXT: The content of uranium, thorium, radium, and ionium (Th^{232}) in young and recent continental deposits at the Lena river was studied. The purpose of the work was to clarify the migration of these elements and the problem as to whether an absolute age determination with the aid of radioactive methods is possible. In 1958, 25 samples of peat, recent mud, and sandy loam have been collected; the larger part of the samples was from long frozen soil. The investigation of the samples was conducted jointly by the kafedra geokhimii (Department of Geochemistry) and the kafedra merzlotovedeniya (Department of Permafrost Study); K. I. Smirnova took part in the chemical analyses. Uranium was determined by luminescence analysis according to L. L. Leonova (Geokhimiya, no. 8, 1956), ionium according to L. A. Khristianova, and radium and thorium were radiochemically determined. SiO_2 , CaO , Card 1/4

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Content of uranium ...

Fe_2O_3 , MnO , CO_2 , and the humus content were determined in the spektrokhimicheskaya laboratoriya (Spectrochemical Laboratory). On the strength of these analytical values, the samples can be divided into two groups: (I) samples with more than 10% humus (11 samples): uranium $4.0 - 15.0 \cdot 10^{-6} \text{ g/g}$ (average $9 \cdot 10^{-6} \text{ g/g}$); thorium $0.1 - 1.2 \cdot 10^{-5} \text{ g/g}$ (average $0.5 \cdot 10^{-5} \text{ g/g}$); ionium $0.5 - 4.1 \cdot 10^{-6}$ (in equilibrium units) (average $1.5 \cdot 10^{-6} \text{ g/g}$); radium $0.3 - 2.3 \cdot 10^{-6} \text{ g/g}$ (in equilibrium units) (average $1.2 \cdot 10^{-6} \text{ g/g}$); mean ratio $\text{Th/U} = 0.5$; $\text{U/Io} = 6$; $\text{U/Ra} = 8$; $\text{Io/Ra} = 1.2$. (II) Samples with lower humus content (14 samples): uranium $1.6 - 7.1 \cdot 10^{-6} \text{ g/g}$ (average $2.9 \cdot 10^{-6} \text{ g/g}$); thorium $0.7 - 1.4 \cdot 10^{-5} \text{ g/g}$ (average $1.0 \cdot 10^{-5} \text{ g/g}$); ionium $1.6 - 3.9 \cdot 10^{-6} \text{ g/g}$ (in equilibrium units) (average $3.1 \cdot 10^{-6} \text{ g/g}$); radium $2.0 - 3.9 \cdot 10^{-6} \text{ g/g}$ (in equilibrium units) (average $2.8 \cdot 10^{-6} \text{ g/g}$); mean ratio $\text{Th/U} = 3.4$; $\text{U/Io} = 0.95$; $\text{U/Ra} = 1.05$; $\text{Io/Ra} = 1.2$. Summing up: The first group with more than 10% humus is enriched in uranium but poor in thorium, ionium, and radium;

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Content of uranium ...

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the radioactive equilibrium is considerably disturbed. The second group with less than 10% humus has a content of uranium, thorium, ionium, and radium that is about as high as the average content in sediments and soils; the radioactive ratio between uranium and radium is, independently of the age of the samples, not disturbed in contrast to the ratio uranium/ionium. The parallel behavior of radium, thorium, and ionium indicates a joint migration, most probably together with clastic and colloidal material. This is also confirmed by the correlation to the silicon and calcium content. A correlation to the iron and manganese content was not established. The sediments studied may, in principle, be used for the absolute age determination by the ionium method, but further studies would be required. Professor V. A. Kudryavtsev is thanked for his help in field and laboratory work. There are 1 figure, 1 table, and 14 references: 12 Soviet-bloc. The two references to English language publications read as follows K. M. Strom, Nature 162, no. 4128, 1948; R. F. Flint, Glacial and Pleistocene Geology, N. Y., 1947.

✓

Card 3/4

Content of uranium ...

S/007/61/000/002/001/004
B107/B217

ASSOCIATION: Kafedra geokhimii Geologicheskogo fakul'teta Moskovskogo
gosudarstvennogo universiteta im. M. V. Lomonosova (Depart-
ment of Geochemistry of the Geological Division of Moscow
State University imeni M. V. Lomonosov)

SUBMITTED: July 14, 1960

Card 4/4

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Method of studying the feeding habits of small insect-eating birds during
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TITAYEVA, Ye.A.

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(MLRA 7:7)

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7695

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357 p. Tables

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ZAYTSEV, L.A., otv. red.; SAKHAROVA, Ye.D., red.

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(MIRA 9:1)

"APPROVED FOR RELEASE: 07/16/2001

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APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2"

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2"

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KAZAREL, S.

Our experience with the pneumatic extractor applied in 150 cases.
Rumanian M Rev. no.2:76-80 Ap-Je '60.
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TITE, Piro, dr; DELVINA, Dragush, dr.

A case of staphylococcal meningitis in bilateral acute mastitis and streptomycin allergy. Shendet pop 6 14-19 '62.

(STREPTOMYCIN TOXICOLOGY) (DRUG ALLERGY)
(MENINGITIS) (STAPHYLOCCOCAL INFECTIONS)
(MASTITIS)

ABUREL,E.; ZERVOS,G.; TITEA,V.; PANA,S.

Immunological and therapeutic investigations in vaginal trichomoniasis. Rumanian med. rev. 7 no.4:13-19 0-D'63

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ABUREL, E., prof.; ZERVOS, G., dr.; RUSU, A., dr.; TITEA, V., dr.;
PANA, S., dr.

Immunobiological and therapeutic research in vaginal trichomoniasis. Microbiologia 8 no.2:145-152 Mr-Ap '63.

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(TRICHOMONAS VAGINITIS) (SKIN TESTS)
(SEROThERAPY (VACCINE THERAPY)

TITEICA, Gabriela

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to the medium radius of the equivalent capillaries.
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Behavior of hard stones porous to saline infiltration. Dari seara
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TITEICA, M.

Clinical aspect of leptospirosis in the region of Bucarest. Probl. ter.,
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clin aspects & epidemiol. in region of Bucarest)

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Maria, dr.

Hemochromatosis associated with anemia caused by folic acid
deficiency. Med. intern. 15 no.12:1473-1476 D'63.

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BRUCKNER, I., prof.; LICHTIG, Ernestina, dr.; TITEICA, Maria, dr.;
LAZARESCU, R. dr.; FICA, V., dr.; VELCIU, V., dr.

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1. Lucrare efectuata in Clinica medicala a Spitalului
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Spitalului "Dr. I. Cantacuzino", Bucuresti.
(HYPERTENSION, RENAL) (URINARY TRACT INFECTIONS)
(PYELONEPHRITIS) (GLOMERULONEPHRITIS)

BRUCKNER, I., prof.; LICHTIG, Ernestina, dr.; TITEICA, Maria, dr.;
LAZARESCU, R., dr.; FICA, V., dr.

Research on chronic urinary tract infection. Med. intern. 15
no.11:1293-1300 N '63.

1. Lucrare efectuata in Clinica medicala I.M.F., Spitalul "Dr. I. Cantacuzino", Bucuresti. 2. Membru corespondent al Academiei R.P.R. (for Bruckner).
(URINARY TRACT INFECTION) (MICROBIOLOGY)
(URINE) (PYURIA) (KIDNEY FUNCTION TESTS)

BRUCKNER, J.; PURICE, S.; TITEICA, Maria; SERRAN Margareta

Serological research in disseminated lupus erythematosus. Arch.
roum. path. exp. microbiol. 23 no. 3:769-774 S'63

1. Travail de la Clinique Medicale de l'Institut Medico-Pharmaceutique de Bucarest; Hopital "Dr. I. Cantacuzino", Bucarest.

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Anemia treated with pyridoxine. (Presentation of a case). Med. intern. 15 no.6:755-756 Je '63.

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(ANEMIA) (PYRIDOXINE) (STOMACH ULCER)
(ACHLORHYDRIA)

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TITEICA, Maria, Dr. Work performed at the "Dr I. Cantacuzino" Medical Clinic (Clinica Medicala "Dr I. Cantacuzino").

"The L. E. Phenomenon and Its Importance."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 3, May-Jun 66, pp 281-285.

Abstract [Author's French summary modified]: The author emphasizes the importance of the L.E. phenomenon for the identification and diagnosis of disseminated lupus erythematosus, discusses the morphogenesis and morphology of the lupus erythematosus cell, and describes the techniques used to demonstrate the phenomenon.

Includes 2 figures and 10 references, of which 2 Rumanian, 5 German and 3 English-language. -- Manuscript submitted 28 February 1966.

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616.931-078.734.

BUZI, T., Dr, and TITEICA, Maria, Dr. Work performed at the "Dr. I. Cantacuzino" Hospital (Spitalul "Dr. I. Cantacuzino"), Bucharest.

"Titration of Antidiphtheria Antibodies by Passive Hemagglutination (Boyden Procedure). Note I. Factors Influencing the Reaction."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11,
No 6, Nov-Dec 66, pp 569-572.

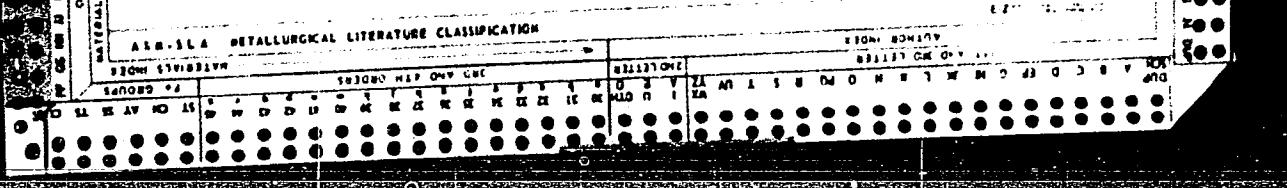
Abstract: The authors discuss a number of factors which may affect the antidiphtheria antibody titer obtained by the Boyden method. The discussion involves the preparation and quality of the tannic acid and the erythrocyte suspension, the antigen used, the determination of the endpoint of the reaction, and the influence of dilution and pipetting errors.

Includes 3 tables and 5 English-language references and one German reference. -- Manuscript submitted 20 April 1966.

Infra-red absorption spectra, and the structure of polyatomic molecules. R. TRICICA (Bull. Soc. Român., 1933, No. 57, 31-38).—Data are given for the infra-red absorption spectra of $Mg(OH)_2$, K_2CO_3 (cf. λ_u 1933, 337), and C_2H_6 , in the low-pressure gaseous condition, and the results have been compared with the Raman spectra, and with those calc'd. from Mecke's formula (Leipzig, Vorträge, 1931). The distances $C-C=1.50 \text{ \AA}$, and the angle of $C-C-C=127^\circ$. R. T.

BC

Infra-red absorption of benzene vapour. K. Trynca (Bul. Soc. Romane Fiz., 1933, 36, 89-91).— Bands between 1μ and 17μ resemble closely the absorption bands of liquid C_6H_6 in the same region, but have a different intensity distribution. The C-H distance in C_6H_6 is 1.04 \AA . The C-C and the CC linkings are both indicated. H. J. E.



Absorption and fluorescent spectra of certain naphthalenic hydrocarbons. II. *Itaya, Bull. Soc. Chem. phys.*, **36**, 16-75 (1951). A study of the spectra of the series $\text{C}_6\text{H}_5\text{C}_6\text{H}_4$, $\alpha\text{-C}_6\text{H}_5\text{C}_6\text{H}_4$, $\alpha\text{-C}_6\text{H}_5(\text{CH}_3)\text{C}_6\text{H}_4$ shows that the substitution of successively heavier radicals shifts the spectra toward the visible with no alteration in their nature. The fluorescent spectra are intense but simple. Evidence is not conclusive whether they can be interpreted by the frequency 481 cm^{-1} or whether one of 1400 cm^{-1} is also necessary.

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A531

1686. Fluorescence and Absorption Spectra of Hydrocarbons Containing Benzene Nuclei. R. Titočka. *Acta Physica Polonica*, 5, pp. 381-389; *Disc.*, 389-392, 1936. In French. Fluorescence and absorption spectra are determined for the following hydrocarbons: diphenyl, diphenylmethane, dibenzyl, stilbene and benzylidiphenyl. In general the characteristic band structures due to the benzene nucleus are little affected by constitutive changes, but introduction of a double bond into dibenzyl so as to give stilbene entirely changes the spectral type. Benzene and naphthalene are studied in alcoholic solution and results are also given for the higher members of the condensed ring compounds, chrysene and pyrene. Four fundamental frequencies are deduced. The numerical values, which cannot be determined exactly owing to the difficulty in deciding the exact position of the observed bands, are approximately 170 cm^{-1} (absorption), 480 cm^{-1} (fluorescence and absorption), 820 cm^{-1} (benzene absorption) and 1450 cm^{-1} (absorption).
Spectrograms are reproduced.
L. A. W.

ATA-SLA METALLURGICAL LITERATURE CLASSIFICATION

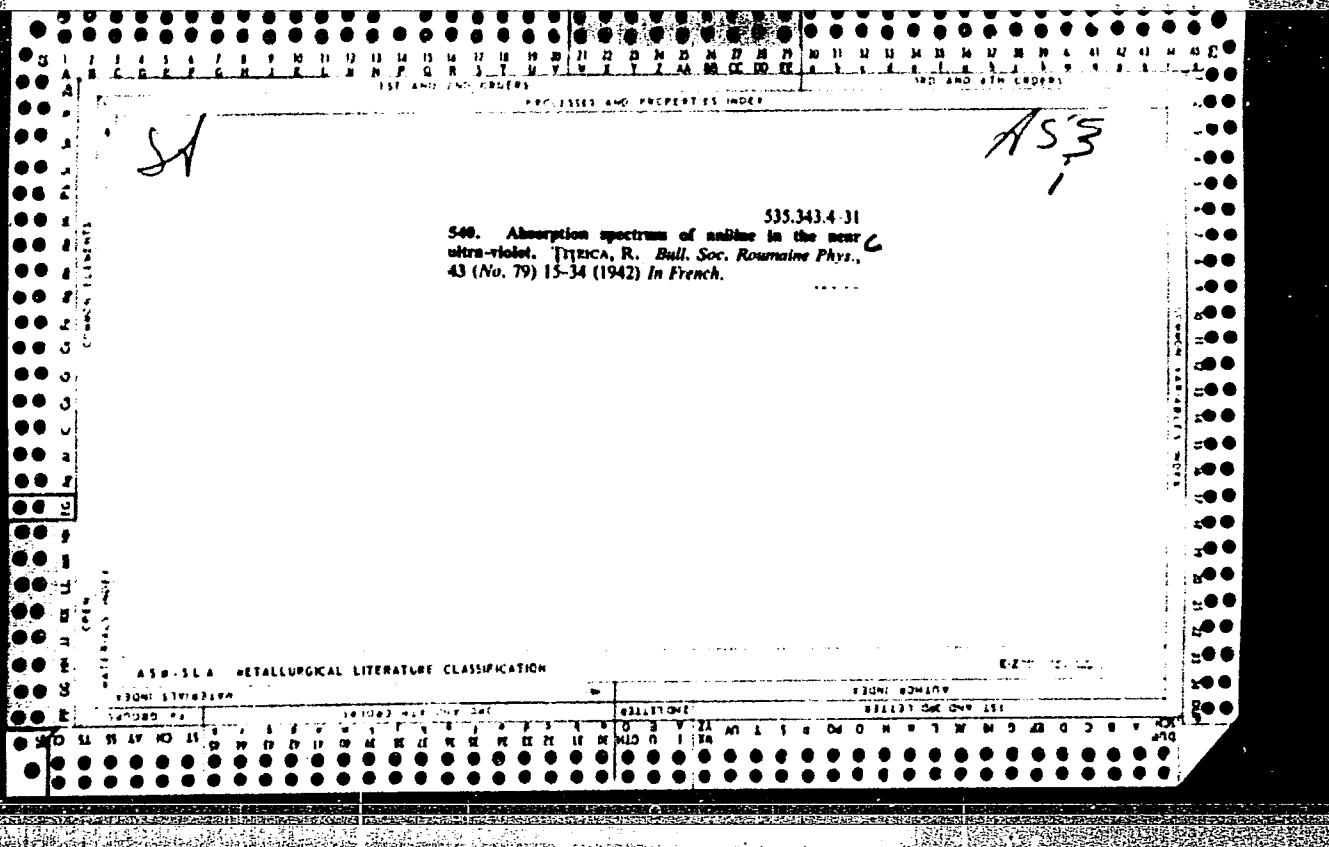
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S+

3330. Infrared Absorption of Benzene Vapour. R. Titeca-Soc. Royale Belge. *Bul. 35*, pp. 89-92, June-July, 1933. *In French.*—The absorption bands of benzene vapour between 2μ and 17μ are observed to have the same wave-lengths as those of the liquid, but the relative intensities are different. An attempt is made to calculate the fundamental frequencies, and the results are compared with the values observed in the liquid and vapour, and in the fluorescence and Raman spectra. A band at 3060 cm^{-1} is attributed to a C-H vibration, and Mecke's formula gives the internuclear distance 1.04 \AA for this bond. Frequencies at 1036 and 1283 cm^{-1} are also attributed to C-C and C=C respectively, both linkages thus being present in the molecule simultaneously. The moment of inertia of the molecule about an axis in its plane is $14 \times 10^{-39} \text{ gm.cm}^2$.
C. B. A.

ASIN-SEA METALLURGICAL LITERATURE CLASSIFICATION

SECTION		SUBDIVISION												SUBDIVISION												SECTION					
SUBDIVISION		SUBDIVISION																													
M	W	A	Y	H	S	T	E	R	O	I	N	T	C	P	D	G	V	X	A	M	L	N	O	H	I	T	M	D	G	S	E
W	Y	A	H	S	T	E	R	O	I	N	C	P	D	G	V	X	A	M	L	N	O	H	I	T	M	D	G	S	E		



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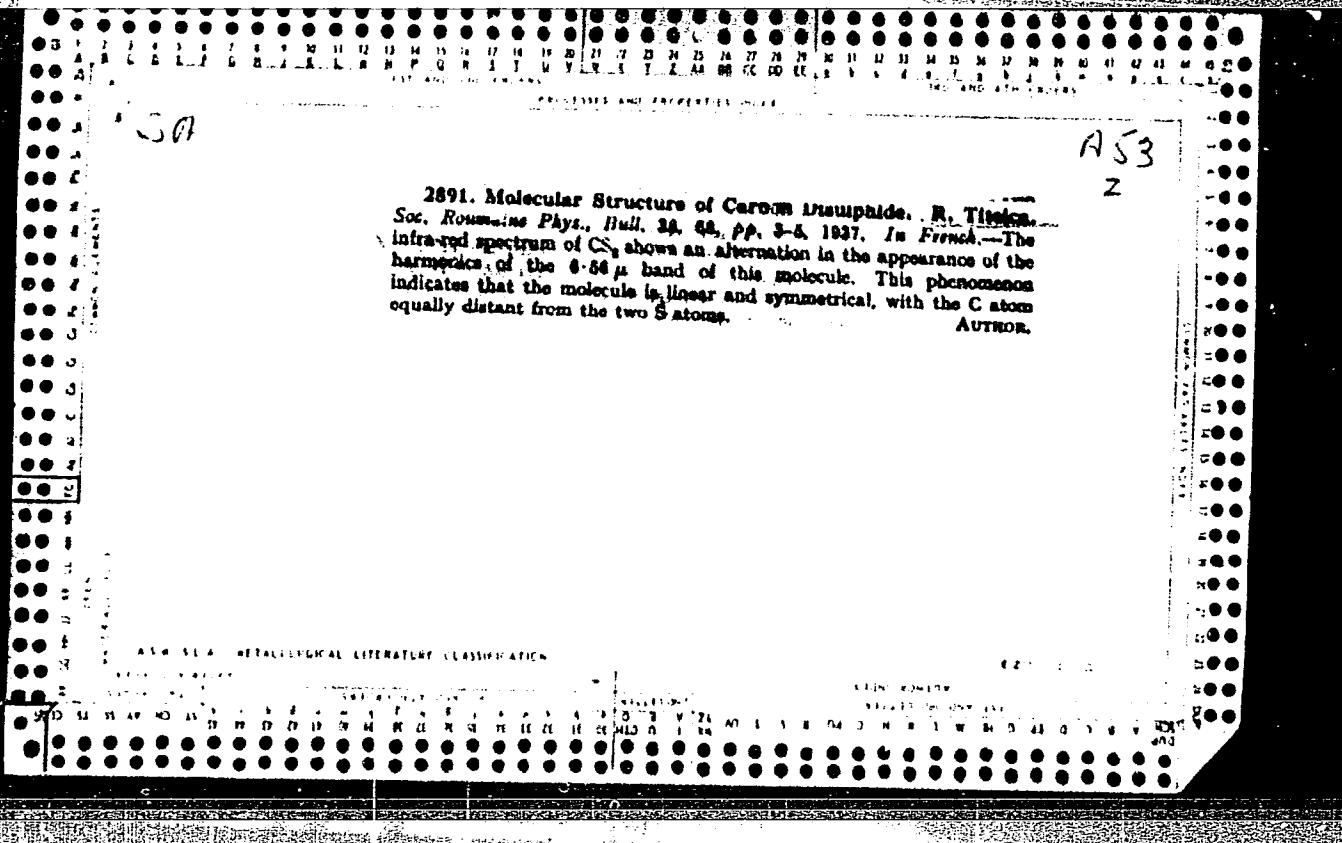
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TIFELICA, R.

I. GAVAT, Bull. Soc. Roumaine Phys., 42 (1941) No 78, 63-71

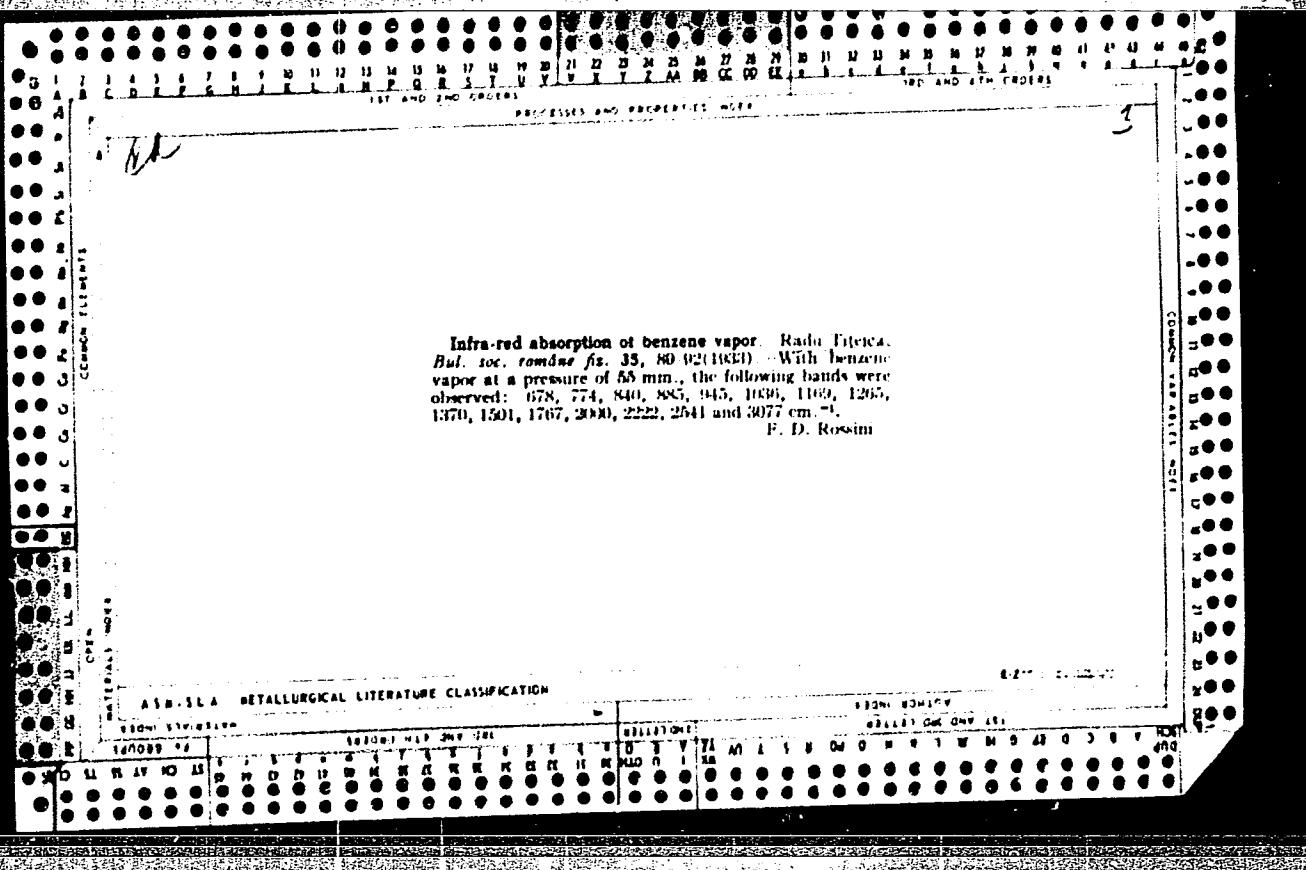
APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820010-2"



Spectrum of infra-red absorption and the structure of polyatomic molecules. Radu Tatara. *Bul. Acad. sov. romanesca No. 57, 31-38 (1933).* In case of infra-red spectrum, the electronic energy does not vary and therefore $\hbar\nu = \Delta E_r + \Delta E_s$, where ΔE_r is the energy of vibration in the mol. and ΔE_s is the energy of rotation of the mol. It was found that the spectrum of acetone contains 27 strong bands. The mol. of acetone is of the type Me-CO-Me in the Y form. The form of the mol. is then $A_1 RC$ and there are 6 fundamentals. By adding 4 more fundamentals of Me there is for acetone a total of 10. In this series the following substances have been studied: HCHO, Me-CO-Me, Me-CO-Et, Et-CO-Et, Me, Et, Bu, iso-Bu and iso-Am formates, Me, Et, Pr and Bu acetates, and Me and Et propionates. Absorption spectrum of MeOH contains 28 measured bands with 8 fundamentals of which 4 are single and 4 are double. EtOH contains 30 intense bands with a total of 13 fundamentals.

G. T. Motok



TITEICA, R.; PALADE, Gh.; BANATEANU, Gh.; STRUGARU, Al.

Research on the absorption spectrum of Congo red. Bul
Inst Petrol Rum 9: 189-197 '63.

TITEICA, R

Distr: 4E3d

Infrared absorption spectra of some micas. R. Titeica,
and G. Filade ("C. I. Parhon" Univ., Bucharest, Romania).
Rev. Phys., Acad. rep. populaire Roumaine 4, 03-7 (1959) (in
French).—The absorption spectra of the following varieties
of mica were measured in the infrared range up to 25 μ :
biotite, phlogopite, lepidolite, muscovite, and zinnwaldite.
Most of the absorption bands in the spectral region studied
may be considered as the higher harmonics of bands corre-
sponding to 2 vibrational fundamentals of the silicic ion,
which are found at about 10 and 18 μ . The positions of the
observed absorption max. do not always correspond exactly
to the values calcd. by assuming the bands at 10 and 18 μ as
fundamentals, owing to the superposition of 2 or more of the
neighboring harmonics. Some of the observed bands prob-
ably represent the harmonics of fundamentals outside the
spectral region studied. S. A. Stern

Titeice, R.

The applications of Raman spectra. R. Titeice, Ispatul
științ. rep. populară România, Vol. 17, Anexa: Prima
cunsiluire școlară spectroscopică apl., București 1957, 63-70
(Publ. 1958). — A review.

S. A. Stern

RUMANIA/Optics - Spectroscopy

K

Abs Jour : Ref Zhur Fizika, No 9, 1959, 21550

Author : Titeica, R.

Inst : -

Title : Application of Raman Spectra

Orig Pub : An. Acad. RPR, 1958, 7, Anexa, 63-76

Abstract : No abstract.

Card 1/1

- 131 -

RUMANIA/Optics - Spectroscopy

K

Abs Jour : Ref Zhur Fizika, No 9, 1959, 21553

Author : Titeica, R.

Inst : -

Title : Application of Fluorescent Spectroscopy

Orig Pub : An. Acad. RPR, 1958, 7, Anexa, 77-92

Abstract : No abstract.

Card 1/1

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3

Absorption and fluorescence of alcoholic solutions of phenanthrene. Radu Titeica. *Bul. sci. române* nr. 35, 140-151 (1933). - The absorption bands of phenanthrene in alc. soln. were detd. By means of a Hilger E 1 spectrophotograph, the region 2800-3800 Å, comprising a structure of several continuous bands was photographed. For very feeble concns. 2 large bands occur with maxima about 2420 and 2515 Å. At higher concn., the 2 bands become one with the max. at about 2550 Å.; there also appears a series of bands somewhat diffuse and feeble at 2740, 2810 and 2830 Å. At concns. still higher are obtained a series of fine, sharp bands to about 3800 Å. In fluorescence, with increased concn. the spectrum of solns. of phenanthrene in EtOH narrows, leaving bands in only the visible and near ultra-violet. This is attributed to increased concn. causing absorption of the shorter waves by the first layers of the soln., the only light able to penetrate and excite fluorescence being that feebly absorbed and approaching the visible. Calvin Brout.